

YCS SW 6 MX

Six Input Dual Output, Transcoding Switcher



FEATURES

- Inputs: Six female BNC connectors and four female 4-pin mini DIN connectors
- Outputs: Simultaneous buffered outputs on one BNC and one 4-pin mini DIN connector
- Encodes S-video input into composite video
- Decodes composite video input into S-video
- Three-line NTSC/five-line PAL adaptive comb filter decoder
- Six inputs with four available as either composite video or S-video
- 30 MHz (-3 dB) video bandwidth
- RS-232 serial control port
- SIS™ - Simple Instruction Set
- 1U, half rack width metal enclosure
- Internal international power supply

DESCRIPTION

The Extron **YCS SW6 MX** is a six input, two output switcher that encodes S-video luma and chroma signals into composite video and decodes composite video into S-video. All six inputs are compatible with composite video, while the first four inputs also accept S-video.

Ideal for video conferencing and video recording applications, the YCS SW6 MX provides simultaneous output on composite video and S-video outputs from any input. The YCS SW6 MX uses advanced decoder technology with a three-line adaptive comb filter, which virtually eliminates chroma noise.

DC offset..... ±5 mV maximum with input at 0 offset
Switching type..... Vertical interval

SYNC

Standards..... NTSC, PAL

CONTROL / REMOTE — Y/C SEPARATOR / SWITCHER

Serial control port..... RS-232, 9-pin D female connector
Baud rate and protocol..... 9600 baud, 8 data bits, 1 stop bit, no parity
Serial control
pin configurations..... 2 = TX, 3 = RX, 5 = GND
Contact closure..... 9-pin D female connector, shared with RS-232
Contact closure
pin configurations..... 1 = input 1, 4 = input 2, 5 = GND, 6 = input 3, 7 = input 4, 8 = input 5, 9 = input 6
IR controller module..... Extron IR 102 kit (optional)
Program control..... Extron's control/configuration program for Windows®
Extron's Simple Instruction Set (SIS™)

GENERAL

Power..... 100 VAC to 240 VAC, 50/60 Hz, 12 watts, internal, autoswitchable
Temperature / Humidity..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount..... Yes, with optional rack shelf, part #60-190-01
Enclosure type..... Metal
Enclosure dimensions..... 1.75" H x 8.7" W x 9.5" D (1U high, half rack wide)
4.4 cm H x 22.1 cm W x 24.1 cm D
(Depth excludes connectors.)
Product / Shipping weight..... 2.8 lbs (1.3 kg) / 5 lbs (3 kg)
Vibration..... ISTA 1A in carton (International Safe Transit Association)
Listings / Compliances..... UL, CUL / CE, FCC Class A
MTBF..... 30,000 hours
Warranty..... 3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO

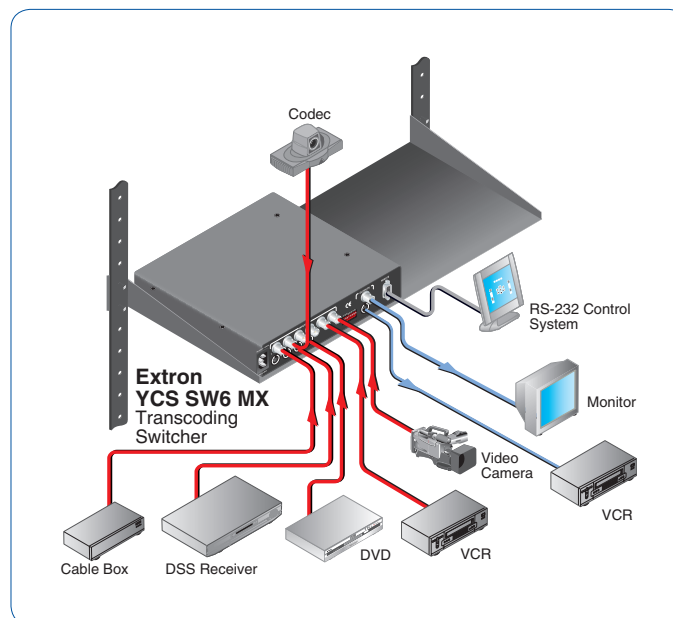
Gain..... Unity
Bandwidth..... 30 MHz (-3 dB)
Crosstalk..... -60 dB @ 3.58 MHz

VIDEO INPUT

Number / Signal type..... 6 composite video, 4 of which can be configured as S-video;
NTSC/PAL selectable
Connectors..... 6 female BNC female
4 female 4-pin mini-DIN
Nominal level..... 1 Vp-p for Y of S-video, and for composite video
0.3 Vp-p for C of S-video
Minimum / Maximum levels..... 0.4 V to 2.0 Vp-p for Y of S-video and for composite video
Impedance..... 75 ohms
Return loss..... <-30 dB @ 5 MHz
Input coupling..... AC

VIDEO OUTPUT

Number / Signal type..... 1 S-video and composite video, NTSC/PAL, follows input
Connectors..... 1 BNC female
(1) 4-pin mini-DIN female
Nominal level..... 1 Vp-p for Y of S-video, and for composite video
0.3 Vp-p for C of S-video
Minimum / Maximum levels..... Analog: 0.3 V to 1.5 Vp-p
Impedance..... 75 ohms
Return loss..... <-30 dB @ 5 MHz



MODEL

YCS SW 6 MX

VERSION DESCRIPTION

Six Input Transcoding

PART

60-224-01

OPTIONAL ACCESSORIES

MBU 129
CCR 306
IR 102 Remote Control Kit
RCAF-BNCM/10

MODEL DESCRIPTION

1U, 1/2 Rack Width Under-Desk Mount Kit for Four-Piece Enclosure..... page 757
Six-Button Contact Closure Remote..... page 281
IR to RS-232 or Contact Closure Conversion Kit..... page 631
RCA Female to BNC Male Adapter..... page 734

PAGE

page 757
page 281
page 631
page 734

PART

70-219-01
60-795-02
70-224-01
100-229-01